16531 LORAN-C OVERPRINTED

UNITED STATES

ALASKA – ALEUTIAN ISLANDS

KRENITZIN ISLANDS

Mercator Projection
Scale 1:80,000 at Lat. 54°08'
North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER

For Symbols and Abbreviations see Chart No. 1

AUTHORITIES

Hydrography and topography by the National Ocean Service, Charting and Geodetic Services with additional data from the U.S. Coast Guard and Geological Survey.

HEIGHTS

Elevations of rocks and lights are in feet above Mean High Water. Control values and summit elevations refer to Mean Sea Level.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 5° from the normal variation have been observed on Tigalda Island and as much as 3° between Akutan and Rootok Islands.

LORAN-C
GENERAL EXPLANATION

LORAN-C FREQUENCY 100kHz
PULSE REPETITION INTERVAL
9990 99,900 Microseconds
STATION TYPE DESIGNATORS. (Not individual station letter designators)

M	Master
W	Secondary
X	Secondary
Y	Secondary
Z	Secondary

EXAMPLE: 9990-X

RATES ON THIS CHART

9990-X 9990-Y 9990-Z

The Loran-C lines of position overprinted on this chart have been prepared for use with ground wave signals and are presently compensated only for theoretical propagation delays which have not all been verified by observed data. Mariners are cautioned not to rely entirely on the lattices in inshore waters. Skywave corrections are not provided.

TIDAL INFORMATION

Place Name	LAT/LONG	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Scotch Cap	54°26'N/164°44'W	5.4	4.8	1.0	0.0
Sanak Bay	54°25'N/162°54'W	4.5	4.0	0.8	0.0
Reuin Bay	54°14'N/163°32'W	4.2	3.7	0.7	0.0
Trident Bay	54°26'N/165°50'W	4.1	3.4	0.5	0.0
Akutan Harbor	54°08'N/165°56'W	3.9	3.1	0.3	0.0

(TBC)

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 3.10" southward and 7.05" westward to agree with this chart.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

LORAN LINEAR INTERPOLATOR

MICROSECONDS

B E R I N G S E A

AKUTAN BAY

AKUTAN ISLAND

AKUTAN HARBOR

HOT SPRINGS BAY

AKUN BAY

AKUN ISLAND

LOST HARBOR

AVATANAK STRAIT

AVATANAK ISLAND

TIGALDA IS

ROOTOK I

AKUTAN PASS

BABY ISLANDS

UNALGA ISLAND

SEDANKA PASS

P A C I F I C O C E A N

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION

Extremely heavy tide rips and strong currents which at times make control of a vessel difficult may be encountered in the passages on this chart.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 9. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 17th Coast Guard District in Juneau, AK, or at the Office of the District Engineer, Corps of Engineers in Anchorage, AK. Refer to charted regulation section numbers.

(CONTINUED ON CHART 16520) (CONTINUED ON CHART 16531) (CONTINUED ON CHART 16535)

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16531
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SOUNDINGS IN FATHOMS

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the Defense Mapping Agency Hydrographic/Topographic Center and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

UPDATING SERVICE
FOR THIS CHART: a listing of NOTICE TO MARINERS corrections subsequent to the date shown in the lower left hand corner is available from the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Director, Charting and Geodetic Services (N/CG22), National Ocean Service, NOAA, Rockville, Maryland 20852

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SOUNDINGS IN FATHOMS

LORAN LINEAR INTERPOLATOR

MICROSECONDS

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BERING SEA

UNIMAK ISLAND

UNIMAK PASS

AKUN BAY

AKUN ISLAND

AKUTAN BAY

AKUTAN HARBOR

AKUN STRAIT

AVATANAK STRAIT

AVATANAK ISLAND

ROOTOK I.

TIGALDA ISLAND

IGAMAK ISLAND

PACIFIC OCEAN

Mt. Gilbert

Billings Head

Little Bay

LOST HARBOR

Seredka Bay

Surf Bay

Fridrul Bay

Green Bight

Tigalda Bay

Derbin Bay

Avatanak Bight

Fathometer Reef

Ridge Pt.

Akutan Pt.

Enlos Pt.

Ruins

Tanks

Pier

Dock

Wharf

Fuel Tanks

Cannery

Village

Church

Hospital

Radio Tower

Water Tower

Airport

Runway

Trail

Road

Cable Area

Anchorage

Submarine Pipeline

Submarine Cable

Fish Trap

Fish Hatchery

Fish Weir

Fish Ladder

Fish Hatchery

Fish Weir

Fish Ladder

Fish Hatchery

Fish Weir

Fish Ladder